

**Amendments to the Specification:**

*Please replace the **Brief description of the drawings** on page 6 of the specification with the following amended **Brief description of the drawings**:*

The invention will now be described with reference to the drawings in which:

Figure 1 is a simplified block diagram of a quantum well infrared photodetector according to the invention;

Figure [[1]] 2 is a graphical representation of a double-pass 45-degree incidence transmission spectra at room temperature and with polarized light;

Figure [[2]] 3 is a graphical representation of spectral response curves at 80 K and 3 V wherein the full widths at half maximum are 260, 390, and 500  $\text{cm}^{-1}$  for 1E12, 1.5E12, and 2E12  $\text{cm}^{-2}$  doping samples, respectively;

~~Figure 3 is~~ Figures 4a -4c illustrate a graphical representation of measured responsivity versus applied voltage under a CO2 laser (10.6  $\mu\text{m}$ ) illumination and at various temperatures for the 1.5E12  $\text{cm}^{-2}$  doping sample; and,

Figure [[4]] 5 is a graphical representation of detectivity at 10.6  $\mu\text{m}$  for the 1.5E12  $\text{cm}^{-2}$  doping sample and for various temperatures.

**Amendments to the Drawings:**

The attached replacement sheets of drawings include Figures 1 to 5. New Figure 1 has been added and original Figures 1 to 4 – now Figures 2 to 5 have been amended.

Attachment: Replacement sheets